Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for carrying out a ~~machining~~ finishing operation upon ~~a~~ an existing workpiece using a machining tool controlled by a computer, said computer controlling said machining tool with a control program, said method comprising the steps of:

selecting the workpiece;

creating an inspection data file for said workpiece;

using said data file to create a model of said workpiece with said control program;

selecting data points in said model to identify the surfaces of said workpiece to be ~~machined~~ finished; and

~~machining~~ finishing said identified surfaces with said machining tool by controlling said machining tool with said control program.

Claim 2 (currently amended): The method of Claim 1 wherein a succession of said ~~machining~~ finishing operations are carried out upon said workpiece.

Claim 3 (currently amended): The method of Claim 1 wherein said ~~machining~~ finishing operation is selected from the group of chamfering deburring, honing, reaming, grinding, polishing, buffing and drilling.

Claim 4 (currently amended): A method for manufacturing a workpiece from a blank, said method comprising the steps of:

using a first computer program to create a first data set that identifies the contours of the workpiece;

5   using said first data set to set the operating parameters of a workpiece-shaping device;

cutting a prototype workpiece from said blank with said workpiece-shaping device;

using a second computer program to generate a second data set for the purpose of measuring and inspecting said prototype workpiece;

measuring and inspecting said prototype workpiece using a device operated by said

10   second computer program;

using a third computer program to create a digital model of the contours of said workpiece; and

using said third computer program and said model to operate a computer-controlled machining device to perform selected ~~machining~~ <u>finishing</u> operations on selected of said

15   contours.

Claim 5 (currently amended): The method of Claim 4 wherein a succession of said ~~machining~~ <u>finishing</u> operations are carried out upon said workpiece.

Claim 6 (currently amended) The method of Claim 4 wherein said ~~machining~~ <u>finishing</u> operation is selected from the group of chamfering deburring, honing, reaming, grinding, polishing, buffing and drilling.

Claims 7-18 (original)

Claim 19: (canceled)